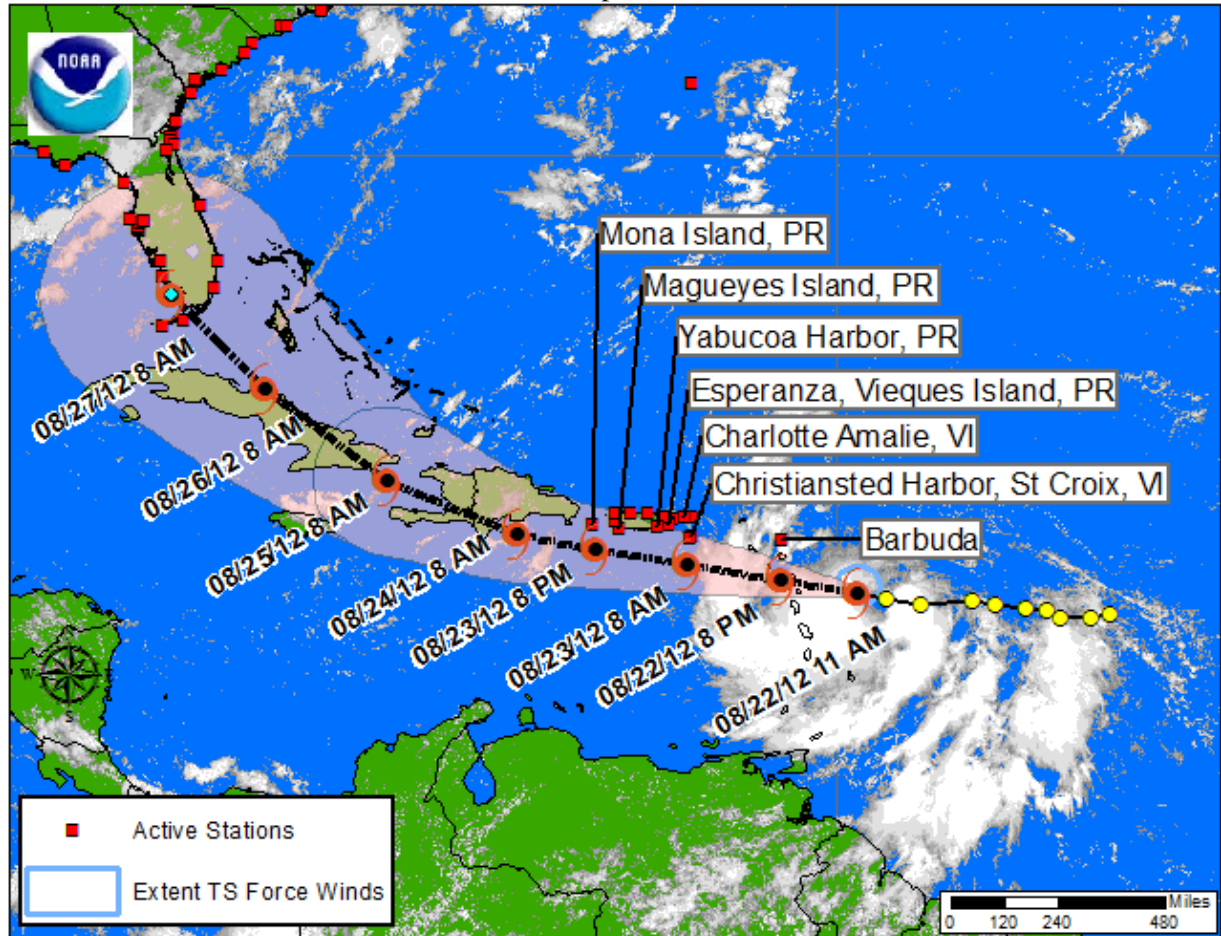




Tropical Storm ISAAC QuickLook  
Posted: 12:00 AST 08/22/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/22/2012 12:00 AST, water levels from Barbuda and the U.S. Virgin Islands to Puerto Rico are slightly elevated and range between 0.4 to 0.9 ft above predicted. Water levels from Barbuda to Puerto Rico have been elevated by up to 0.5 feet above tidal predictions over the past several months. This residual water level is in addition to any storm surge effects from Isaac. Winds are increasing, with gusts being up to 20 knots. Barometric pressure is falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Barbuda: Next predicted high tides are 0.7 ft (0.21 m) at 08/22/2012 19:00 AST and 0.7 ft (0.22 m) at 08/23/2012 19:17 AST.

Christiansted Harbor, St Croix, VI: Next predicted high tides are 0.6 ft (0.18 m) at 08/22/2012 12:04 AST and

Tropical Storm ISAAC QuickLook, POSTED 12:00 AST 08/22/2012

0.5 ft (0.16 m) at 08/22/2012 21:11 AST.

Charlotte Amalie, VI: Next predicted high tides are 0.9 ft (0.26 m) at 08/22/2012 13:31 AST and 0.9 ft (0.28 m) at 08/23/2012 14:57 AST.

Esperanza, Vieques Island, PR: Next predicted high tides are 0.6 ft (0.17 m) at 08/22/2012 12:02 AST and 0.5 ft (0.17 m) at 08/22/2012 20:40 AST.

Yabucoa Harbor, PR: Next predicted high tides are 0.6 ft (0.17 m) at 08/22/2012 16:04 AST and 0.6 ft (0.20 m) at 08/23/2012 16:48 AST.

Magueyes Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/22/2012 18:07 AST and 0.8 ft (0.25 m) at 08/23/2012 18:14 AST.

Mona Island, PR: Next predicted high tides are 0.7 ft (0.22 m) at 08/22/2012 17:53 AST and 0.8 ft (0.26 m) at 08/23/2012 18:36 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

TROPICAL STORM ISAAC ADVISORY NUMBER 6...CORRECTED  
1100 AM AST WED AUG 22 2012

CORRECTED SPELLING IN HEADLINE

...RAINBANDS OF ISAAC SPREADING THROUGH THE LESSER ANTILLES...

WATCHES AND WARNINGS

-----  
CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* MARTINIQUE

\* DOMINICA

\* GUADELOUPE AND THE SURROUNDING ISLANDS...AND ST. MARTIN

\* ST. KITTS...NEVIS...ANTIGUA...BARBUDA... MONTSEERRAT...AND ANGUILLA

\* SABA...ST. EUSTATIUS...AND ST. MAARTEN

\* BRITISH VIRGIN ISLANDS

\* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

A HURRICANE WATCH IS IN EFFECT FOR...

\* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. AND BRITISH VIRGIN ISLANDS

\* SOUTH COAST OF DOMINICAN REPUBLIC FROM ISLA SAONA WESTWARD TO THE HAITI  
-DOMINICAN REPUBLIC SOUTHERN BORDER

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* NORTH COAST OF DOMINICAN REPUBLIC FROM THE HAITI-DOMINICAN REPUBLIC  
NORTHERN BORDER EASTWARD TO NORTH OF ISLA SAONA

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE  
WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS  
BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL-STORM-FORCE WINDS...  
CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED  
SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE  
WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN HAITI AND CUBA SHOULD MONITOR THE PROGRESS OF ISAAC.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING  
POSSIBLE INLAND WATCHES AND WARNINGS... PLEASE MONITOR PRODUCTS ISSUED BY  
YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION  
SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES... PLEASE MONITOR PRODUCTS  
ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 AM AST...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED NEAR LATITUDE  
15.9 NORTH...LONGITUDE 59.3 WEST. ISAAC IS  
MOVING TOWARD THE WEST NEAR 21 MPH...AND THIS GENERAL MOTION IS EXPECTED TO  
CONTINUE FOR THE NEXT COUPLE OF DAYS. ON THE FORECAST TRACK...THE CENTER OF  
ISAAC SHOULD MOVE THROUGH THE LEEWARD ISLANDS THIS EVENING...PASS NEAR OR  
SOUTH OF THE VIRGIN ISLANDS AND PUERTO RICO ON THURSDAY...AND APPROACH THE  
DOMINICAN  
REPUBLIC THURSDAY NIGHT AND FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH...WITH HIGHER GUSTS. STRENGTHENING  
IS FORECAST DURING THE NEXT 48 HOURS... AND ISAAC COULD BECOME A HURRICANE BY  
THURSDAY OR THURSDAY NIGHT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 60 MILES...FROM THE CENTER.

ESTIMATED MINIMUM CENTRAL PRESSURE IS 1006 MB.

HAZARDS AFFECTING LAND

-----  
WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE LEEWARD ISLANDS BY THIS AFTERNOON OR EVENING... MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER PUERTO RICO AND THE U.S. AND BRITISH VIRGIN ISLANDS ON THURSDAY. HURRICANE CONDITIONS ARE POSSIBLE OVER PUERTO RICO...THE U.S. VIRGIN ISLANDS ON THURSDAY...AND OVR THE DOMINICAN REPUBLIC BY LATE THURSDAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES ARE POSSIBLE OVER THE NORTHERN WINDWARD ISLANDS AND THE LEEWARD ISLANDS. TOTAL RAIN ACCUMULATIONS OF 1 TO 3 INCHES WITH MAXIMUM AMOUNTS OF 6 INCHES ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS. TOTAL RAINFALL ACCUMULATIONS OF 8 TO 12 INCHES...WITH MAXIMUM AMOUNTS OF 20 INCHES...ARE POSSIBLE OVER HISPANIOLA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN THE NORTHERN LEEWARD ISLANDS...PUERTO RICO...AND THE U.S. AND BRITISH VIRGIN ISLANDS. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY DANGEROUS WAVES.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD AND LEEWARD ISLANDS DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

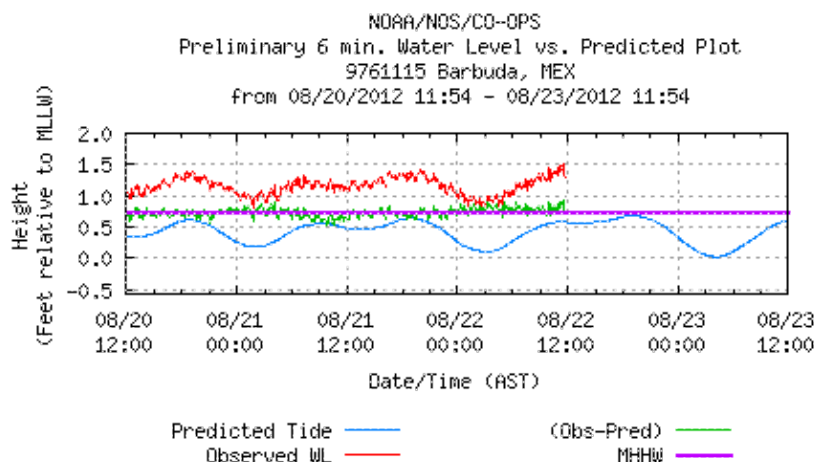
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FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Barbuda - Barometric](#), [Barbuda - Air/Water Temp](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Christiansted Harbor, St Croix - Barometric](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#), [Esperanza, Vieques Island - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [Magueyes Island - Barometric](#), [Mona Island - Water Level](#),

Barbuda, MEX - Return to List

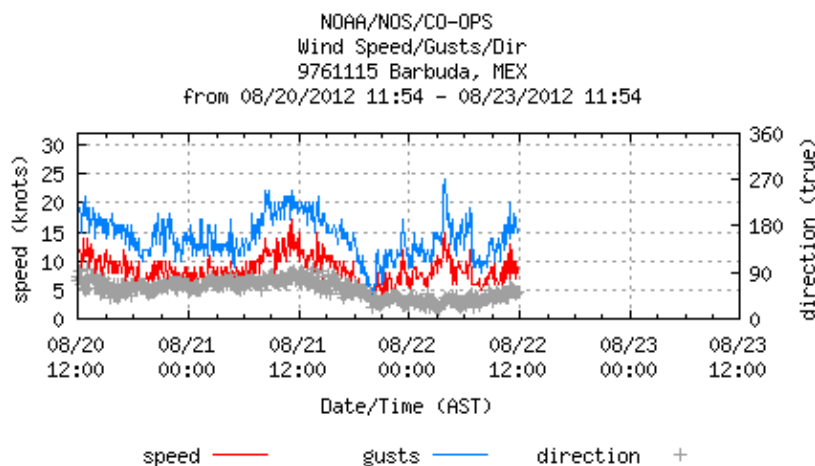


Last Observed Sample: 08/22/2012 11:42 (AST)

Relative to MLLW: **Observed: 1.31 ft.** **Predicted: 0.58 ft.** **Residual: 0.73 ft.**

Historical Maximum Water Level: , ft. above MHHW

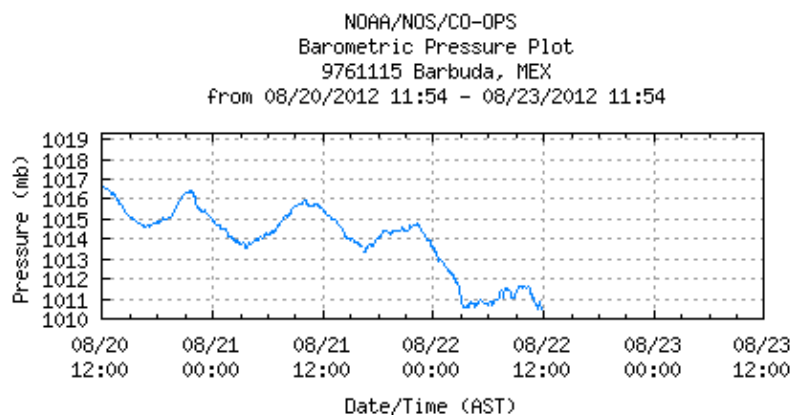
Barbuda, MEX - Return to List



Last Observed Sample: 08/22/2012 11:42 (AST)

**Wind Speed: 8 knots** **Gusts: 15 knots** **Direction: 53° T**

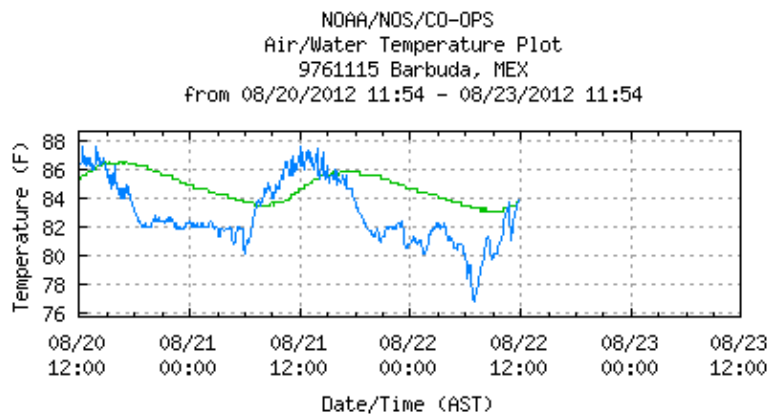
[Barbuda, MEX](#) - [Return to List](#)



Last Observed Sample: 08/22/2012 11:42 (AST)

Barometric Pressure: 1010.5 mb

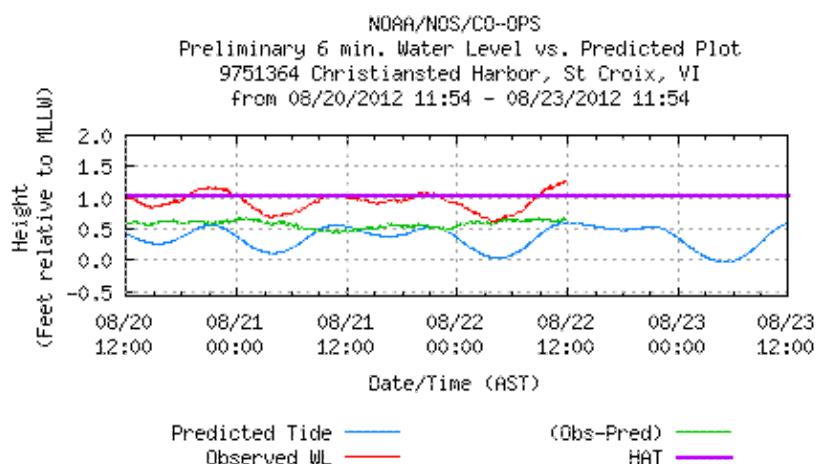
[Barbuda, MEX](#) - [Return to List](#)



Last Observed Sample: 08/22/2012 11:42 (AST)

Water Temperature: 83.7° F Air Temperature: 83.8° F

Christiansted Harbor, St Croix, VI - Return to List

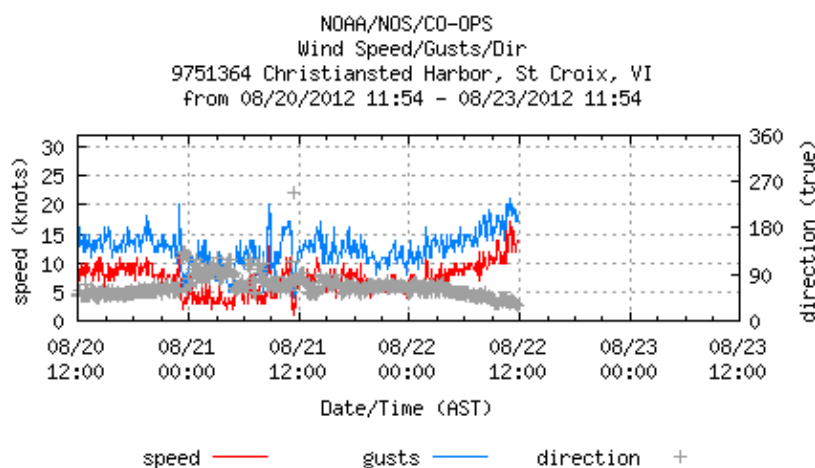


Last Observed Sample: 08/22/2012 11:42 (AST)

Relative to MLLW: **Observed: 1.26 ft.** **Predicted: 0.60 ft.** **Residual: 0.66 ft.**

Historical Maximum Water Level: Oct 16 2008, 1.17 ft. above MHHW

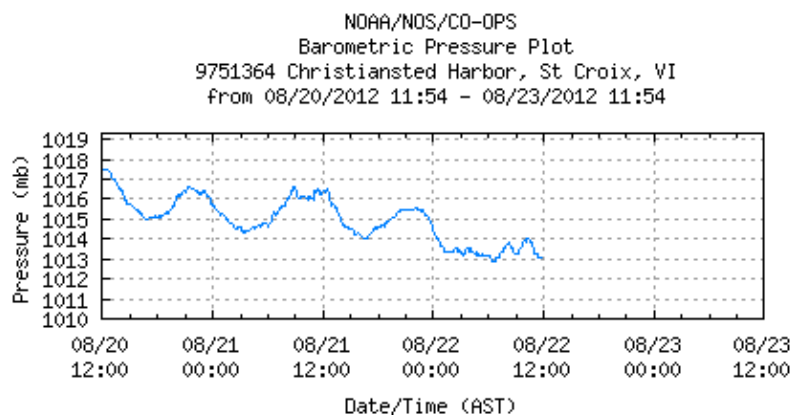
Christiansted Harbor, St Croix, VI - Return to List



Last Observed Sample: 08/22/2012 11:42 (AST)

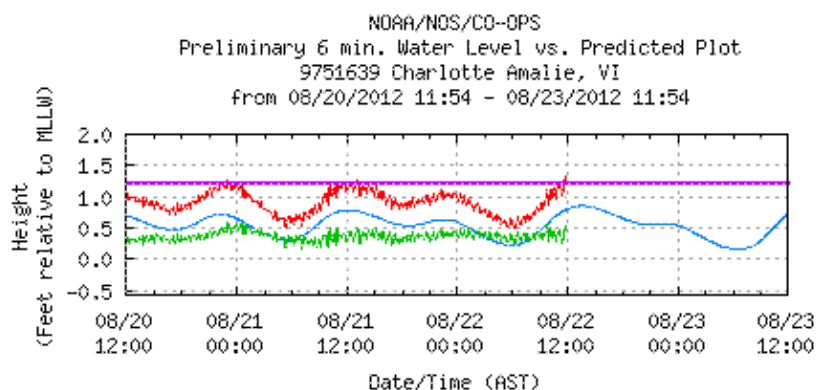
**Wind Speed: 14 knots** **Gusts: 17 knots** **Direction: 31° T**

Christiansted Harbor, St Croix, VI - Return to List



barometric pressure —  
Last Observed Sample: 08/22/2012 11:42 (AST)  
Barometric Pressure: 1013.1 mb

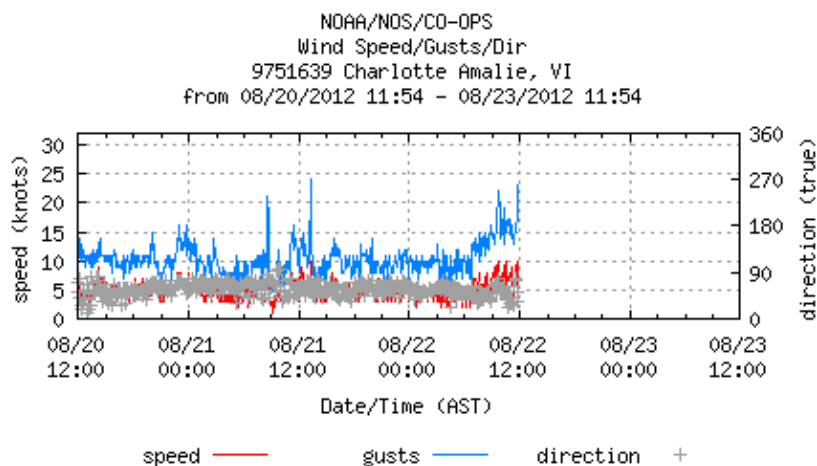
Charlotte Amalie, VI - Return to List



Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
Last Observed Sample: 08/22/2012 11:48 (AST)  
Relative to MLLW: Observed: 1.28 ft. Predicted: 0.80 ft. Residual: 0.48 ft.  
Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW



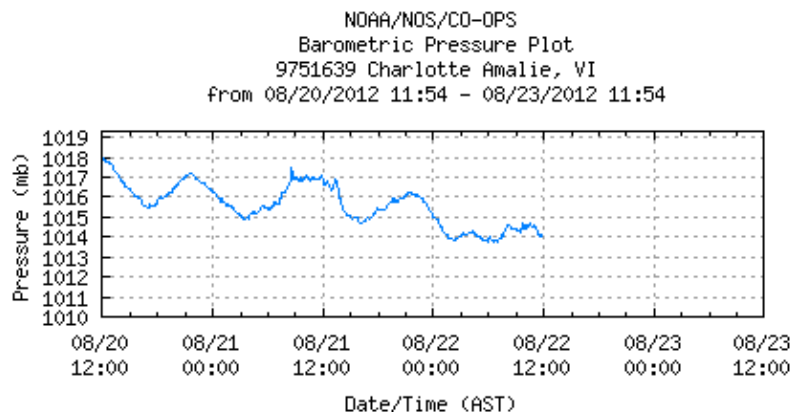
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/22/2012 11:48 (AST)

Wind Speed: 6 knots Gusts: 23 knots Direction: 34° T

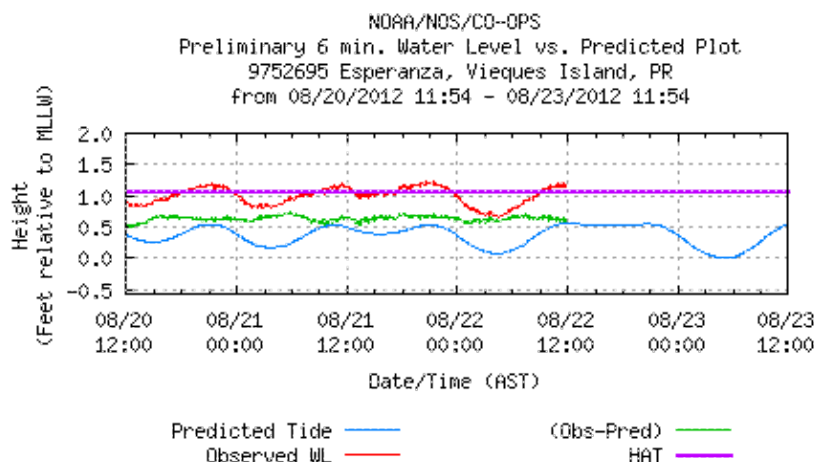
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/22/2012 11:48 (AST)

Barometric Pressure: 1014.1 mb

Esperanza, Vieques Island, PR - Return to List

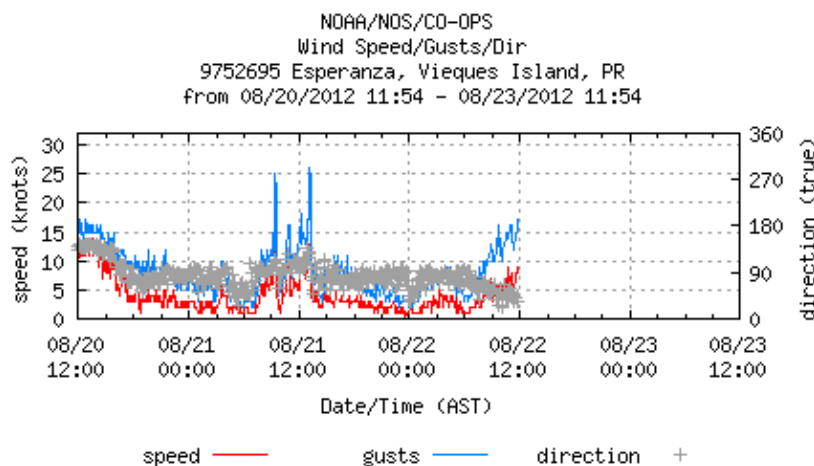


Last Observed Sample: 08/22/2012 11:48 (AST)

Relative to MLLW: **Observed: 1.17 ft.** **Predicted: 0.56 ft.** **Residual: 0.61 ft.**

Historical Maximum Water Level: Aug 22 2011, 1.04 ft. above MHHW

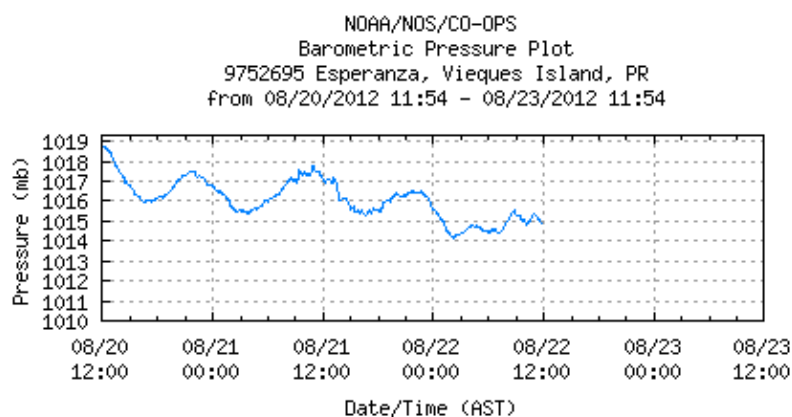
Esperanza, Vieques Island, PR - Return to List



Last Observed Sample: 08/22/2012 11:48 (AST)

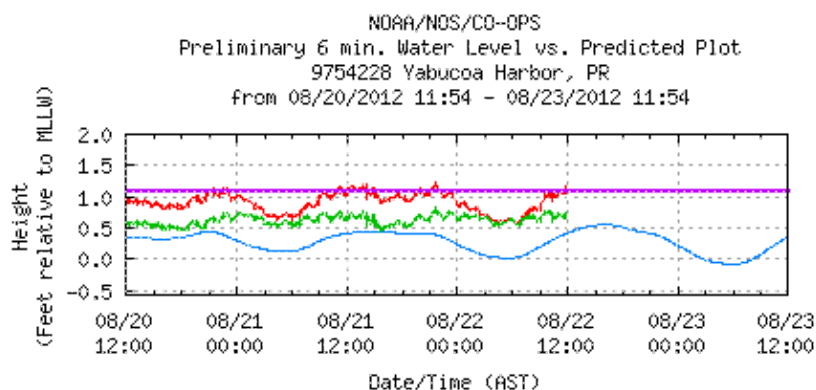
**Wind Speed: 8 knots** **Gusts: 17 knots** **Direction: 32° T**

Esperanza, Vieques Island, PR - Return to List



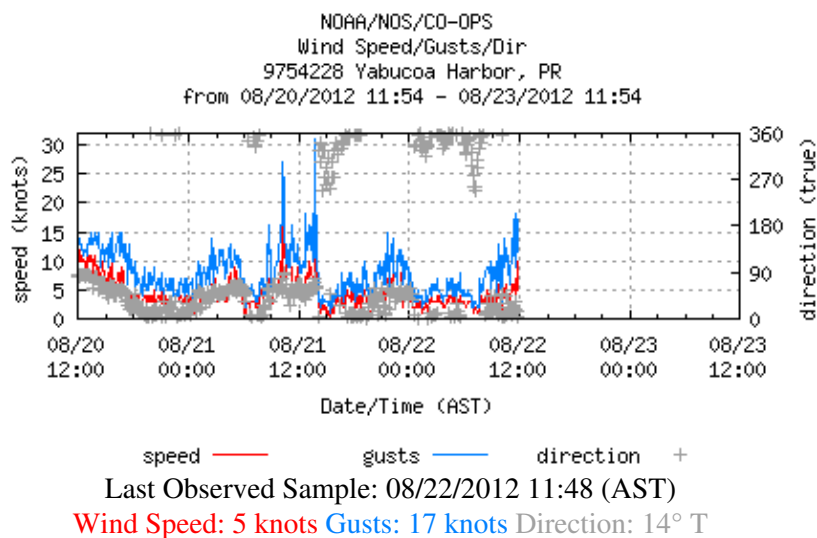
barometric pressure —  
Last Observed Sample: 08/22/2012 11:48 (AST)  
Barometric Pressure: 1014.9 mb

Yabucoa Harbor, PR - Return to List

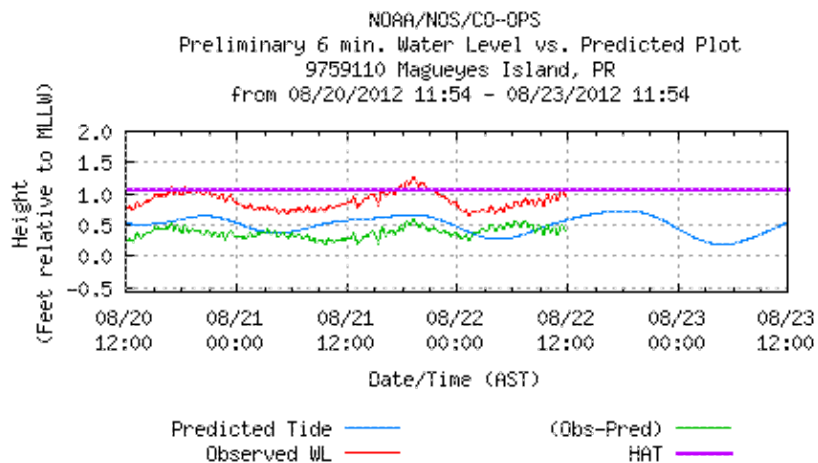


Predicted Tide — (Obs-Pred) —  
Observed WL — HAT —  
Last Observed Sample: 08/22/2012 11:48 (AST)  
Relative to MLLW: Observed: 1.06 ft. Predicted: 0.41 ft. Residual: 0.65 ft.  
Historical Maximum Water Level: , 0 ft. above MHHW

Yabucoa Harbor, PR - Return to List

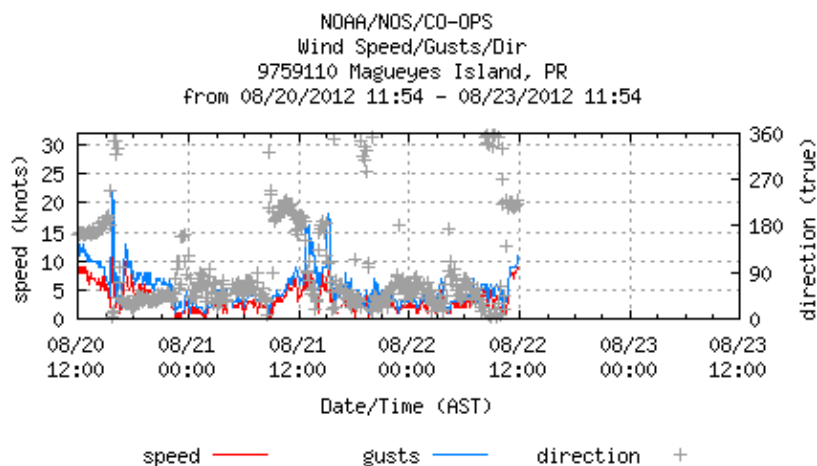


Magueyes Island, PR - Return to List



Last Observed Sample: 08/22/2012 11:48 (AST)  
Relative to MLLW: Observed: 0.99 ft. Predicted: 0.58 ft. Residual: 0.41 ft.  
Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

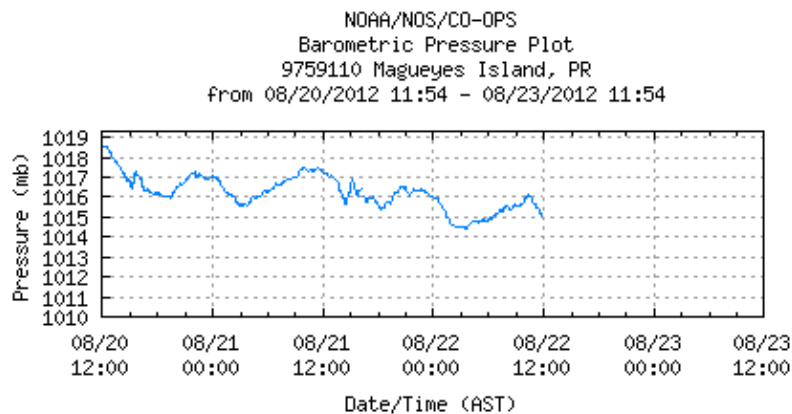
Magueyes Island, PR - Return to List



Last Observed Sample: 08/22/2012 11:48 (AST)

Wind Speed: 9 knots Gusts: 11 knots Direction: 223° T

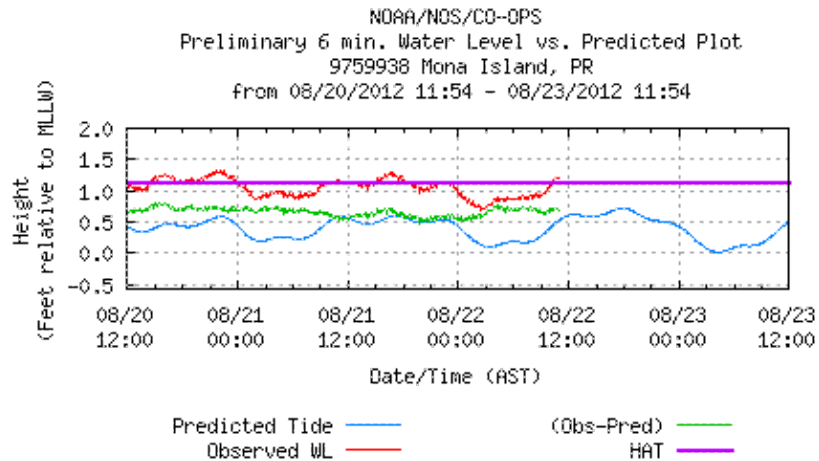
Magueyes Island, PR - Return to List



Last Observed Sample: 08/22/2012 11:48 (AST)

Barometric Pressure: 1015.1 mb

[Mona Island, PR - Return to List](#)



Last Observed Sample: 08/22/2012 10:54 (AST)

Relative to MLLW: **Observed: 1.19 ft.** **Predicted: 0.52 ft.** **Residual: 0.67 ft.**

Historical Maximum Water Level: Dec 23 2010, 1.26 ft. above MHHW

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce